

FIG. 1A

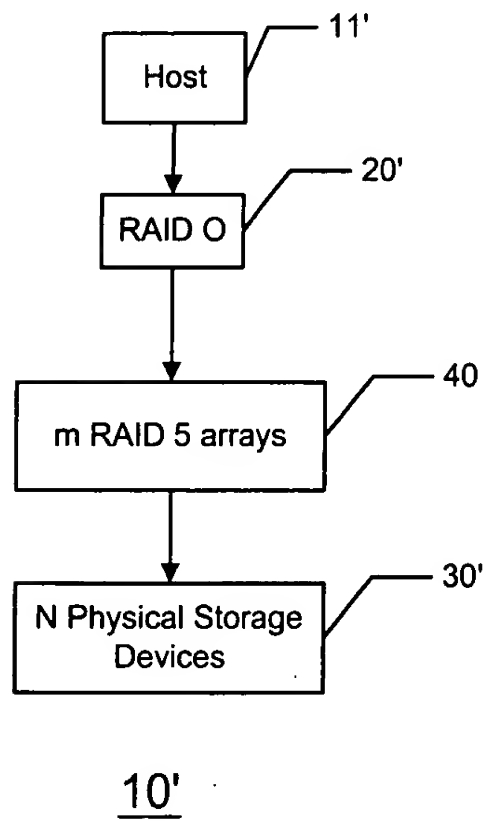


FIG. 1B

09892377-062601

09892377-062601

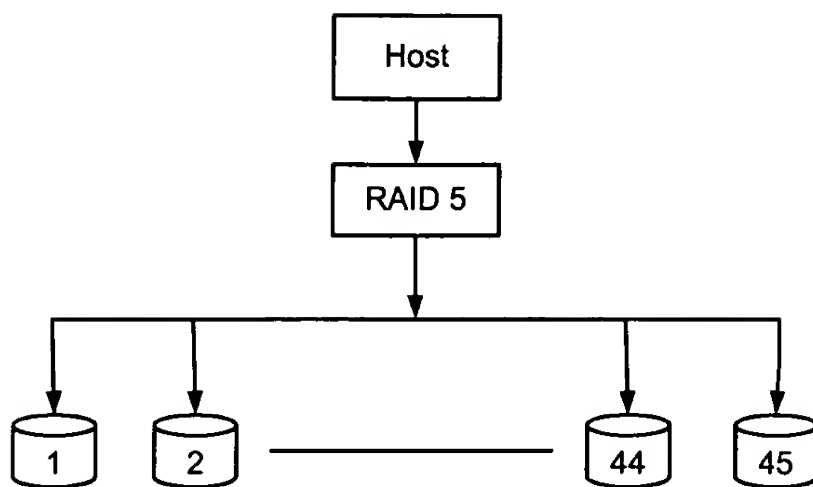


FIG. 2A

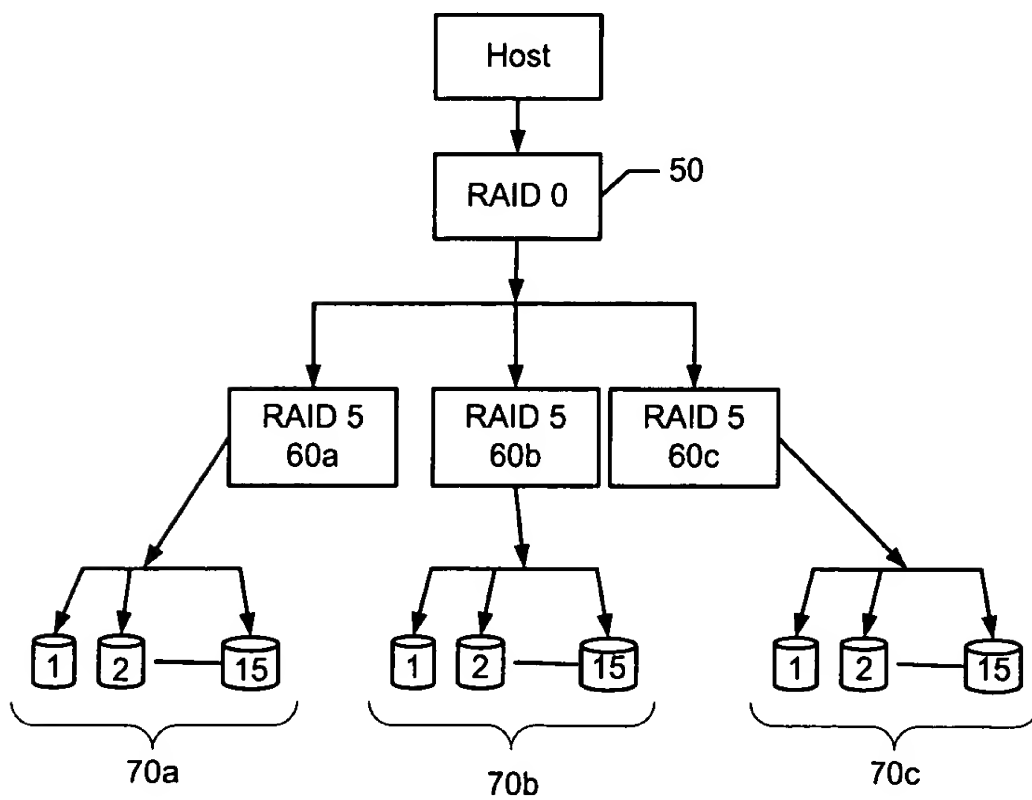


FIG. 2B

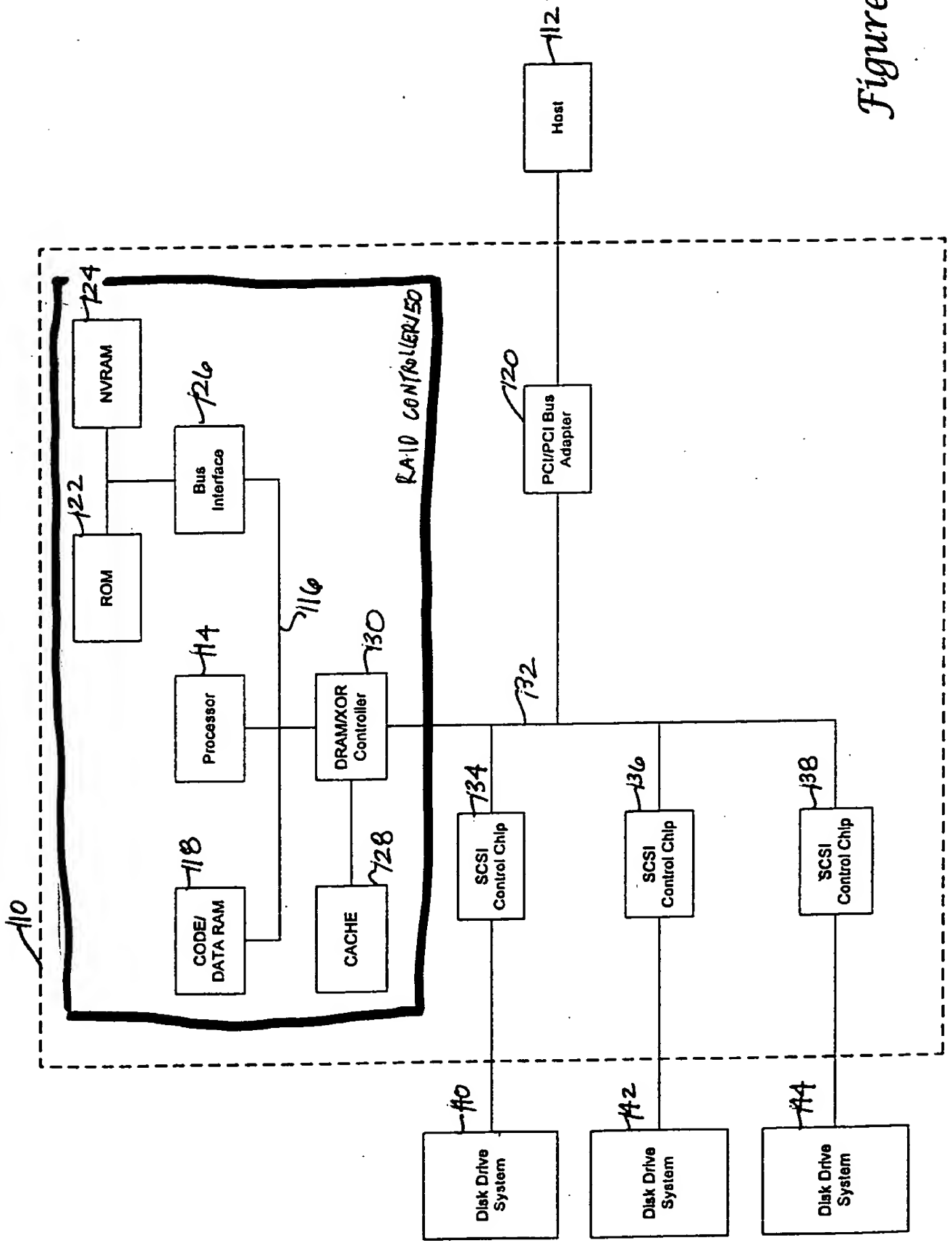


Figure 3

109290" 4426860

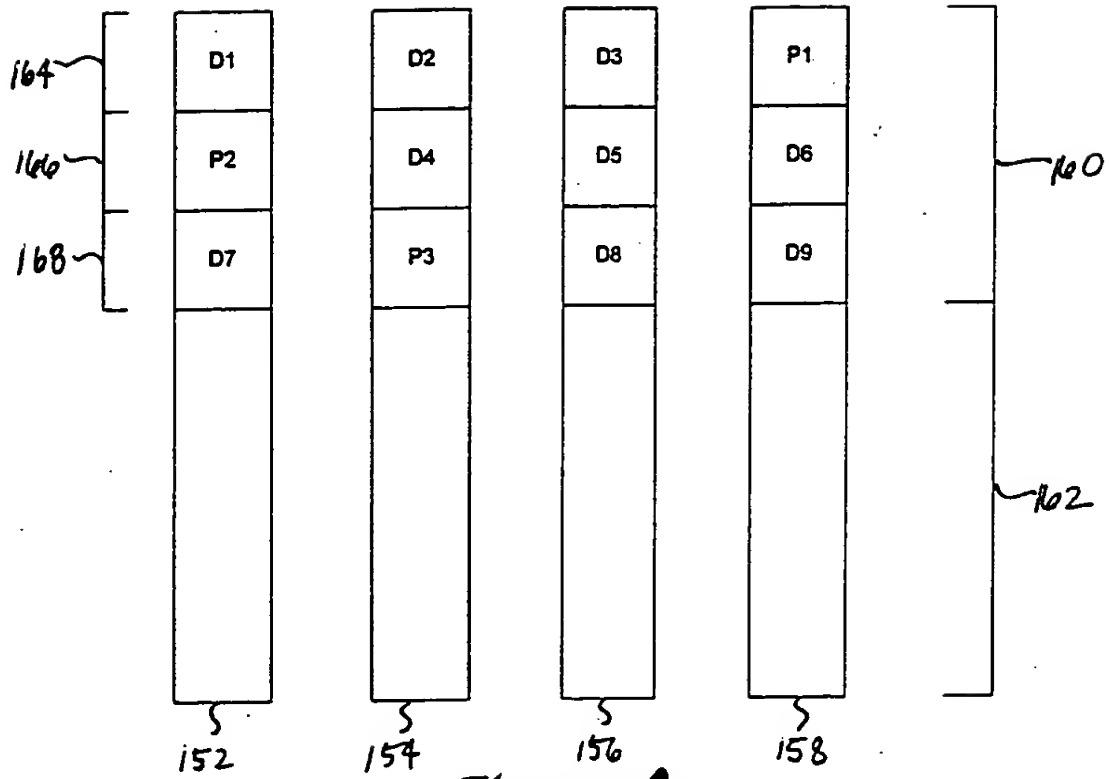


Figure 4

Sector 0

109990" 4226860

Sector 15

D1 <sup>180</sup>	D2 <sup>182</sup>	D3 <sup>184</sup>	P1 <sup>186</sup>
S0	S0	S0	S0
S1	S1	S1	S1
S2	S2	S2	S2
S3	S3	S3	S3
S4	S4	S4	S4
S5	S5	S5	S5
S6	S6	S6	S6
S7	S7	S7	S7
S8	S8	S8	S8
S9	S9	S9	S9
S10	S10	S10	S10
S11	S11	S11	S11
S12	S12	S12	S12
S13	S13	S13	S13
S14	S14	S14	S14
S15	S15	S15	S15

Figure 5

Provide input command  
to data storage system  
410

Module  
receives input  
420

Decide which child  
to pass input cmd  
430

Pass input cmd  
to decided child  
440

YES

Is child  
another  
module?  
450

NO

Build SCSI cmds  
460

Process SCSI cmds  
462

Access data  
464

Return status  
to parent module  
470

Pass status to  
parent module  
490

end

Yes

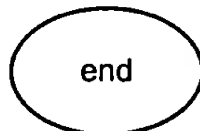
Is parent  
module the  
host?  
480

No

400

FIG. 6

109290 4426860



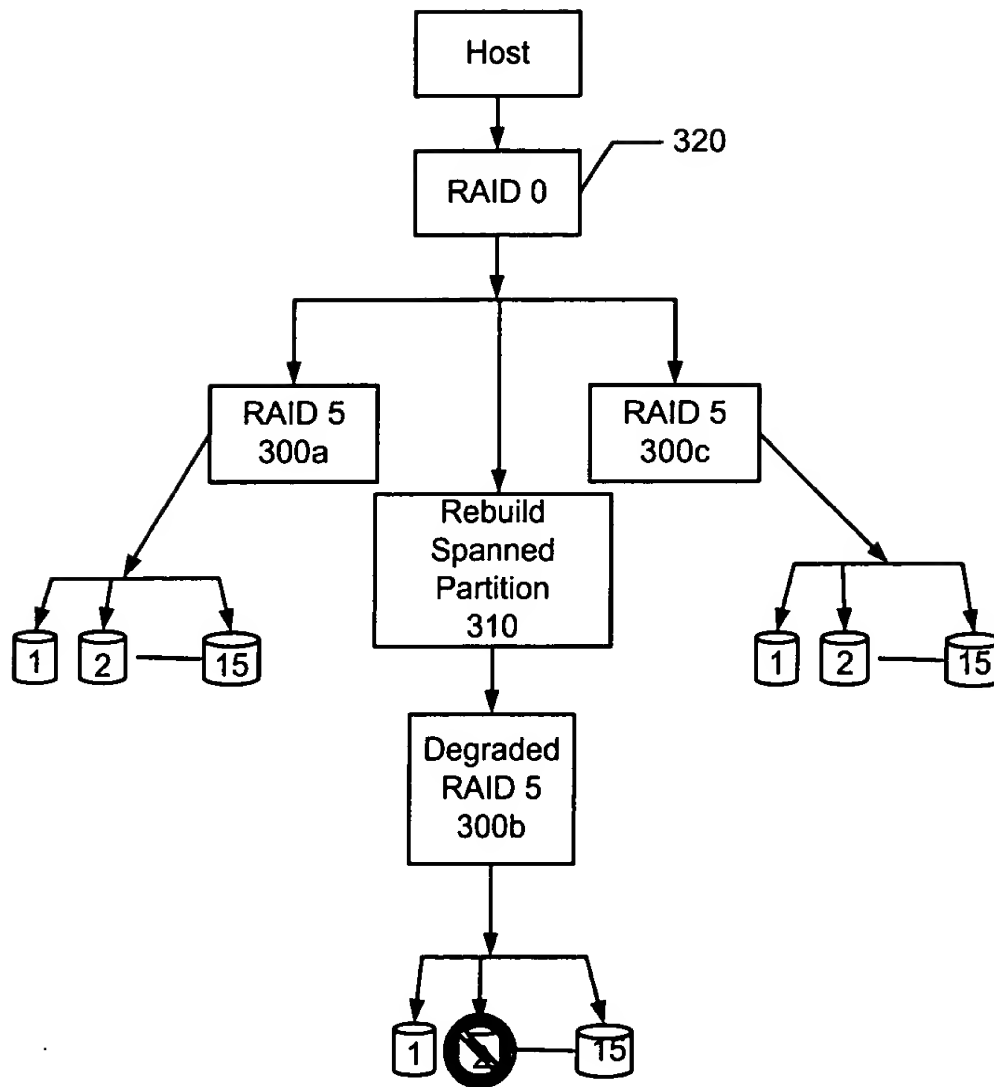


FIG.7A

The diagram illustrates a RAID configuration. At the top is a **Host** box, which connects to a **RAID 0** box labeled **320'**. The RAID 0 box connects to three RAID 5 boxes: **RAID 5 300a'**, **Rebuild Spanned Partition 310'**, and **RAID 5 300c'**. RAID 5 300a' and RAID 5 300c' each connect to a set of 15 disks, labeled 1, 2, ..., 15. The Rebuild Spanned Partition 310' box connects to two RAID 5 boxes: **Degraded RAID 5 300b'** and **NonDegraded RAID 5 302**. Degraded RAID 5 300b' connects to a set of 15 disks, with the second disk (2) marked with a large 'X' indicating failure. NonDegraded RAID 5 302 connects to a set of 15 disks, labeled 1, 2', ..., 15, where 2' indicates a replacement or rebuilt disk.

FIG. 7B



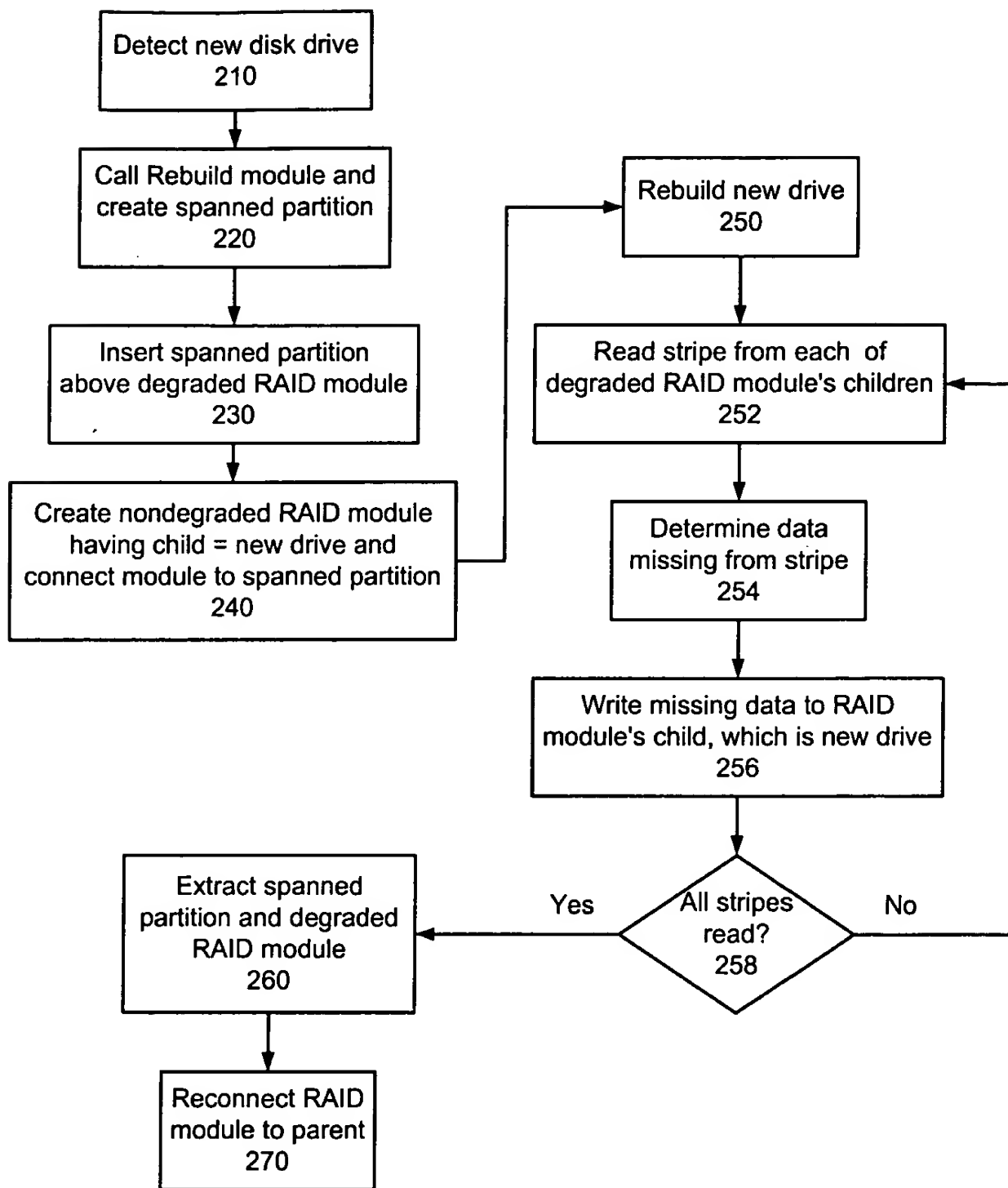


FIG. 8